

FIG. 1
(PRIOR ART)

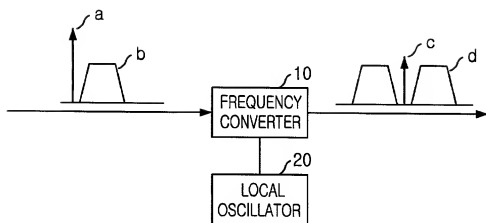


FIG. 2
(PRIOR ART)

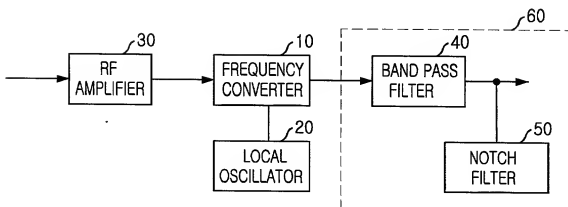


FIG. 3

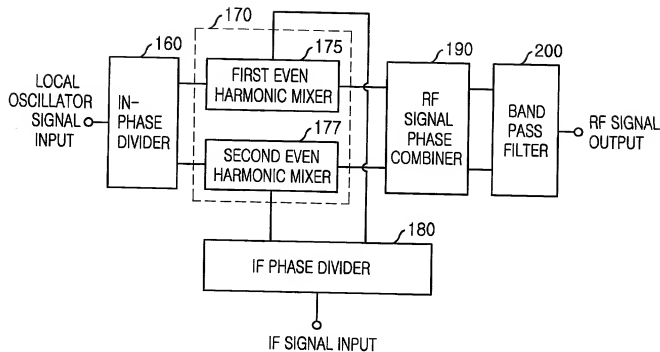


FIG. 4

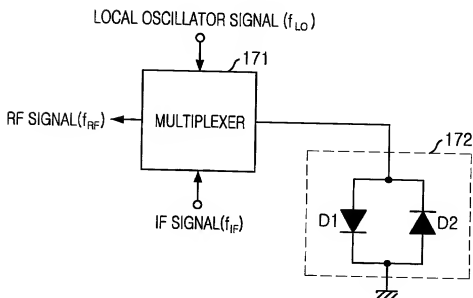


FIG. 5

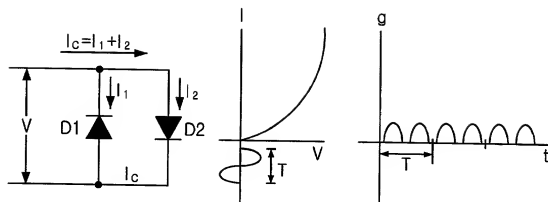


FIG. 6

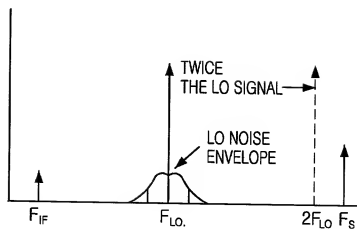
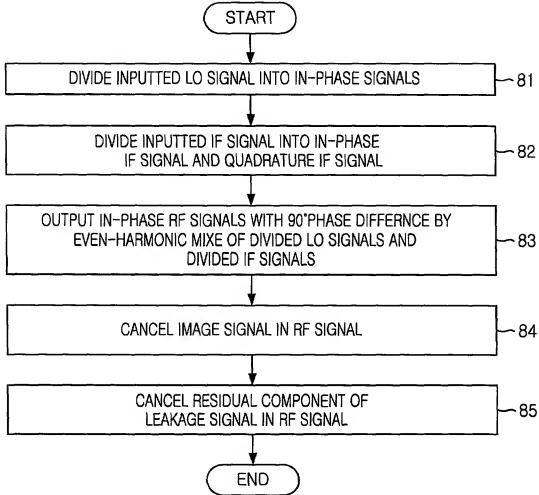


FIG. 7

UP-CONVERTING PHASE CORRELATION

	IF	2LO	2LO+IF	2LO-IF	USB	LSB
FIRST EVEN HARMONIC MIXER	0	0	0	0	90	90
SECOND EVEN HARMONIC MIXER	90	0	90	-90	90	-90

FIG. 8



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